IN THE CLAIMS

1.   (Newly Amended) A method for recovering data transmitted over a plurality of channels in a wireless code division multiple access communication system, the method comprising:

receiving the plurality of channels as a received signal, each channel associated with a code;

subtracting for each of the plurality of channels others of the plurality of channels from the received signal and despreading a result of that subtracting as data for that channel; wherein the subtracting others of the plurality of channels including for each channel: despreading the received signal with the others channels codes; respreading the despread others channel codes using the other channels codes; and subtracting from the received signal the respread other channels.

2.   (Canceled).

3.   (Newly Amended) The method of claim 1 2 wherein the despreading is performed by a mixer.

4.   (Newly Amended) The method of claim 1 2 wherein the despreading is performed by a matched filter.

5.   (Newly Amended) A receiver for recovering data transmitted over a plurality of channels in a wireless code division multiple access communication system, the receiver comprising:

means for receiving the plurality of channels as a received signal, each channel associated with a code;

means for subtracting for each of the plurality of channels, others of the plurality of channels from the received signal and despreading a result of that subtracting as data for that channel; wherein the means for subtracting includes for each channel: means for despreading the received signal with the others channels codes; means for respreading the despread others channels codes; and means for subtracting from the received signal the respread other channels.

6.   (Canceled).

7.   (Newly Amended) The receiver of claim 5 2 wherein the despreading means is a mixer.

8.   (Newly Amended) The receiver of claim 5 2 wherein the despreading means is a matched filter.

9.   (Canceled).

10.   (Newly Amended) A receiver for recovering data transmitted over a plurality of channels in a wireless code division multiple access communication system, the receiver comprising:

an input configured to receive the plurality of channels as a received signal, each channel associated with a code; and

for each of the plurality of channels, a subtractor for subtracting others of the plurality of channels from the received signal and despreading a result of that subtracting as data for that channel; The receiver of claim 9 further comprising:

for each channel, a first mixer operatively coupled to the input for despreading the received signal with that channel code;

for each channel, a second mixer for respreading that channel despread signal; and

wherein for each channel, the subtractor subtracts from the received signal the respread channels other than that channel.

11.   (Newly Amended) <u>A receiver for recovering data transmitted over a</u> <u>plurality of channels in a wireless code division multiple access communication</u> <u>system, the receiver comprising:</u>

<u>an input configured to receive the plurality of channels as a received signal,</u> <u>each channel associated with a code; and</u>

<u>for each of the plurality of channels, a subtractor for subtracting others of the</u> <u>plurality of channels from the received signal and despreading a result of that</u> <u>subtracting as data for that channel;</u> ~~The receiver of claim 9 further comprising:~~

for each channel, a matched filter operatively coupled to the input for despreading the received signal with that channel code;

for each channel, a mixer for respreading that channel despread signal; and

wherein for each channel, the subtractor subtracts from the received signal the respread channels other than that channel.